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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/648,602	08/25/2003		Hongqiang Lu	03-0658/LSI1P228	4278	
24319	7590	10/01/2004		EXAM	EXAMINER	
LSI LOGIC CORPORATION 1621 BARBER LANE				CLARK, SHEILA V		
MS: D-106 LEGAL			•	ART UNIT	PAPER NUMBER	
MILPITAS, CA 95035				2815		

DATE MAILED: 10/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summers	10/648,602	RUMER ET AL					
Office Action Summary	Examiner	Art Unit					
	S. V. Clark	2815					
The MAILING DATE of this communication apporentiation apports.  Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	s will be considered timely. the mailing date of this communication.  O (35 U.S.C. § 133).					
Status		•					
1) Responsive to communication(s) filed on	_•						
	action is non-final.						
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.					
Disposition of Claims	•						
4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.		,					
4a) Of the above claim(s) is/are withdraw	n from consideration.						
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) <u>1-19</u> are subject to restriction and/or e	election requirement.	•					
Application Papers							
9) The specification is objected to by the Examiner	r.						
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the E	Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign  a) All b) Some * c) None of:  1. Certified copies of the priority documents	s have been received.						
<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>							
3. Copies of the certified copies of the prior application from the International Bureau	•	d in this National Stage					
* See the attached detailed Office action for a list of		ed.					
Attachment(s)							
I) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	`					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Apphoadon (FTO-102)					

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-14 are drawn to a method for forming an interconnect conductor, classified in class 438, subclass 106+.
- II. Claims 15-19 are, drawn to a semiconductor interconnect structure, classified in class 257, subclass 666+.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the device can be formed without the step of forming a trench.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. V. Clark whose telephone number is (571) 272-1725. The examiner works a Flex schedule.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. V. Clark

Primary Examiner Art Unit 2815

September 27, 2004